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Post-processing: Minimum March ()%
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11: /SIDSI/gcgdata/geneseqg-embl/AA1999.DAT:*
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41.879 Million coll updates/sec
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Pred. No. is the number of results gredicted by change to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMAR I

Result No.	Score	Query	Query Match Length	DB	ID	Description
	54	100.0	11	21	AAY88527	NCAM Ig1 binding p
1,3	49	Ω Ω	, ,	F.1	AAY98553	Enging
Ų.	46	85.2	11	21	AAY88557	Igi binding
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7	3.3	61.1	13	17	AAR95642	Antigen peptide fr
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ALIGNMENTS

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(OLSE) OLSEN M. (OSTE) OSTEDGAARD S. (JENS) JENSEN P H.			(PONN) FONN I, C B.		29-APP-1999; 000F.0000502.			23-SEP-1999; 99WO-FKO0500	06-APR-2000.		W0200018001 AD:		Synthetic.		treatment; presthetic nerve guide; treatment; nervous system.	Alzheimer's disease; diabetes mellitus; circadian clock, nephrosis;	impaired my-linution, stroke, farkingur's disease, memory, solitorphionia;	negrite outgrowth growntor; proliferation; norve damage; solerosis;	NTAM, neural cell adhesion molecule; Tyl; immuniglobulin domain 1;		NCAM Tgl binding peptide C3.		07 AUG-2000 (first entry)		AAYORCO7;		AAYPSTC7 standard; peptide; 11 AA.		LT 1	

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ben'te substrowth promoter, proliferation, nerve damage, sclerosis;
below has low to a contack. Buildhout discase, mamory, schioophrenia,
Authornosis discase, butetes mollitus; singadian clock, nephrosis;
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M. Botski V. Pallets I., Berezin V.
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RESULT 3 AAY88557

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AAY88557;

AAY88557 standard; peptide;

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Desiral cell adhesism molecule (MCAN) is a collular adhesism molecule. The third is actually to be a failed anchor to the cell membrane forms, while the third is a trail to be a light anchor to the cell membrane. All three months the failed is a trail to be a compared to 5 from the companies (Ty domains). The Ty domains are numbered to 5 from the domains (Ty domains). The Ty domains are numbered to 5 from the while, this to the cell membrane and to 5 from the companies, and to applie of simulating an provide while, this to the man the companies and to a strong provide a peptide of the first body to the central may be used in the companies a provide used in the identification of those binding peptides of the companies and companies and to a strong provide and the companies and to be companied may in particulat be used to treat diseases of the central and companied may in particulat be used to treat diseases of the central and companies and to treat diseases of the central and companies there is particular to a strong provide a strong particular to the actual to treat disease, domentas, generally domentas, particular may in particular to the former's disease, dementas, confictions treatment of particular transmission of the central may be related in the central with diabetes may also be treated with diabetes may also be treated with diabetes may also be treated to the component of the ground. The component is cased in a proside to memory of a subject. When the accomponent is cased in a proside to memory of a subject.
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CSTEFGAARD S.
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RALETS I.
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, Shroka V, Ralets I, Borozin V;
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tive 0; Mismatches 1
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CC NCAM forms have an extracellular structure consisting five immunoglobulin CC domains (13 domains). The 13 domains are numbered 1 to 5 from the CC N-terminal. The invention relates to a compound containing a peptide CC N-terminal. The invention relates to a compound containing a peptide CC which binds to the NCAM Ig1 domain. The compound binds to NCAM-Ig1/Ig2 CC domains, and is capable of stimulating or promoting neurite outgrowth CC from NCAM presenting cells, and is also capable of promoting the proliferation of those binding peptides which can be used in the identification of those binding peptides which can be used in the compound. The compound may be used in the CC compound may in particular be used to treat diseases of the central and CC peripheral nervous systems such as post operative nerve damage, traumatic from a stroke, Fakkinson's disease, Alzheimer's disease, dementias, cCC disorders affecting the circadian clock or neuro-nuscular transmission CC and schizophrenia. Conditions affecting the muscles may also be treated with the compound, such as conditions associated with impaired function of neuromatic atrophic associated or traumatic shock or anametic shock or anametic shock or anametic atrophic sousceled storders). Conditions or the consider shock or anametic 
                                          traumatic atrophic muscle disorders). Conditions of the gonads, pancrea e.g. diabetes melitus types I and II), kidney (e.g. nephrosis), heart liver and bowel may also be treated using the compound. The compound is used in a prosthetic nerve guide, and also to stimulate the ability to learn, and to stimulate the memory of a subject.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Neural cell adhesion molecule (NCAM) is a cellular adhesion molecule. NCAM is found in three forms, two of which are transmembrane forms, while the rhird is attached via a lipid anchor to the cell membrane. All three ways
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Compositions that bind neural cell adhesion molecules useful for treating disorders of the nervous system and muscles e.g. Alzheir
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 5; Fig 7; 119pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2000-201111/25.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            07-AUG-2000 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (MULM/)
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JENSEN P H.

POULSEN F M.

SOROKA V.

RALETS I.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OLSEN M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HOLM A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ecok E, Holm A, Olsen M, Ostere, Soroka V, Ralets I, Berczin V;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          system and muscles e.g. Alzheimer's
                                                                                                                                       Conditions of the gonads, pancreas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Cstergaard S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Jensen PH;
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AAY88554
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Best Local Similarity
       domains (Ig domains). The Ig domains are numbered 1 to 5 from the N-terminal. The invention relates to a compound containing a peptide which binds to the NCAM Ig1 domain. The compound binds to NCAM-Ig1/Ig2 domains, and is capable of srimulating or promoting neutric curgrowth from NCAM presenting cells, and is also capable of promoting the proliferation of NCAM presenting cells. The present sequence represents control peptide used in the identification of those binding peptides which can be used in the compound. The compound may be used in the treatment of normal, degenerated or damaged NCAM presenting cells. The
                                                                                                                                        Neural cell adhesion molecule (NCAM) is a cellular adhesion molecule. While NCAM is found in three forms, two of which are transmembrane forms, while the third is attached via a lipid anchor to the cell membrane. All three NCAM forms have an extracellular structure consisting five immunoglobulin
                                                                                                                                                                                                                 Example 5; Fig 7; 119pp; English.
                                                                                                                                                                                                                                                          Compositions that bind neural cell adhesion molecules useful for treating disorders of the nervous system and muscles e.g. Alzheimer's
                                                                                                                                                                                                                                                                                                          WPI; 2000-293111/25.
                                                                                                                                                                                                                                                  and Parkinson's diseases
                                                                                                                                                                                                                                                                                                                                        Poulsen FM,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        impaired myelination; stroke; Parkinson's disease; memory, sphiloph
Alzheimer's disease; diabetes mellitus; circadian clock; nephrosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NCAM; neural cell adhesion molecule; Ig1; immunoglobulin domain 1; neurite outgrowth promoter; proliferation; nerve damage; sclerocis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (BOCK/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO200018801-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           treatment; prosthetic nerve guide; treatment; nervous system
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                                                                                                                                                                                                                                                                                                                                                                                                                              (POUL/)
                                                                                                                                                                                                                                                                                                                                                                                                                                              (JENS/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                            (OSTE/)
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                                                                                                                                                                                                                                                                                                                                                                                  (BERE/)
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SOROKA V.
RALETS I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        BOCK E.
HOLM A.
                                                                                                                                                                                                                                                                                                                                                                                    BEREZIN V.
                                                                                                                                                                                                                                                                                                                                                                                                                                              JENSEN P H.
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OSTERGAARD S.
                                                                                                                                                                                                                                                                                                                                                      Bock E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   E. CB.
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                                                                                                                                                                                                                                                                                                                                     Ralets I,
                                                                                                                                                                                                                                                                                                                                                    Olsen M,
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compound may in particular be used to treat diseases of the central and

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7-17 Kit 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WWW, seem in real otherscent molecules [4]; immunoglobulin domain 1; seem in reconstance; proliferation, nerve damage; solerosis; septiment reconstance; in let us, et la kentening of seems genemory; subitophrenia; histories is itseriated to the mellitus; of readian clock; nephrosis; recitement prosiber; reconstance; treatment; nervous system.
Example to Fig W. 119pp. English
                                                                                     Copy-sitions that bird result cell adhesion molecules useful for tires in the distribution of the distribution of the many content and muscles e.g. Alabeimen's
                                                                                                                                                                                                                                                                                                                                                                                                   A SMELLY
CARREST
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                                                                                                                                                                                                                                  Bullion BM, Sitika V, Balots I, Berezin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        W. Johnston Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 N'AM 141 binching populer 118 used as a control peptide.
                                                                                                                                                                           META LOCAL CHARLES
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PRILIEN F.M.
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We want well adhesist well-out (MOAN) is a cellular adhesion molecule. The first is first in three farms, which are transmembrane farms, while the first is the foll membrane. All three companies (Ig domains) The Ig domains are numbered too 5 from the twential the forms that we are extractfulfar structure conducting five immunufablulin adomains (Ig domains). The Ig domains are numbered too 5 from the twential two firsts in the MOAN present incompanies to the MOAN present ing senting the representation of MOAN presenting wells, and is also repeated of promoting the authority of the compound may be used in the first be used to treat diseases of the central and comprise imparticular be used to treat diseases of the central and compound may in particular be used to treat diseases of the central and compound may in particular be used to treat diseases of the central and compound may in particular the used to treat diseases of the central and compound may in particular the used to treat diseases of the central and compound may in particular the used to treat disease, demontias, and true strucks, repaired my also be treated of the compound. The compound is the authority of the muscles may also be treated of the compound in the compound. Such as conditions associated with impartice shock or traumatic atrophic muscle disorders) from it is negligible. The particular traumatic shock or traumatic atrophic muscle disorders and III, kidney (e.g. nephrosis), heart, of the compound. The compound is used in a prosthet in nerve gride, and also to stimulate the ability to a stability to
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                    Antigoria determinant populde(s) of HTTV enoclupe glycospictein useful for detecting anti-HTLV-I and oll antibodies and as vaccine against HTLV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human T cell leukacmia virus, hydrophilio,
diagnosis, antibodies, gp46, mutant, gag;
                                                                                                                       WPI; 1993-134125/16.
                                                                                                                                                                        Haynes BF, Pálker TJ
                                                                                                                                                                                                                                                                          :1661-IDO-80
                                                                                                                                                                                                                                                                                                                         1756 - 1.363-80
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mutant HTLV-I residues 88-98, peptide 2L-1.1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAR34247 standard; peptide; 11 AA
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8, Conserv
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                                                                                                                                                                                                                                                                          9109-0771553.
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Pred. No. 4.1;
0; Mismatches 2; Indols
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; conjugate; augregate;
T cell epitope.
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                              CDMP-1 is found in cartilaginous cores of long bones. In areas of active cartilage degradation and bone matrix formation, CDMP-1 expression is also detected in hyportrophic chondrocytes. No expression is detected in the axial skeleton, and only low levels are present in other tissues. CDMP-1 is present in a purified
                                                                                                                        This peptide antigen is derived from the mature C-terminal domain of human articular cartilage-derived morphogenetic protein-1 (CDMP-1, AAR95635), and has been used to generate polyclonal antibodies in rabbits. The peptide dies not show sequence identity with any other known protein, including bone morphogenetic protein. The resulting antibodies have been used to screen tissues from human embryos, to study differential CDMP gene expression. At 6 wk, CDMP-1 is detected in precartilage condensations, and at 7.5-8.5 wk
                                                                                                                                                                                                                                                                                                                           New purified cartilage extracts and proteins - used to stimulate the development and repair of cartilage in vivo.
formation and repair when combined with a matrix and implanted
                   cartilage extract (claimed) which stimulates local cartilage
                                                                                                                                                                                                                                                                                            Example 7; Page 15; 34pp; English.
                                                                                                                                                                                                                                                                                                                                                                                         WPI; 1996-251714/25
                                                                                                                                                                                                                                                                                                                                                                                                                            Chang SC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  07-NOV-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      07-NOV-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         17-MAY-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           To determine which amino acids within the HTLV-I envelope amino acids 88-98 were required for absorption of neutralising anti-peptide antibodies to HTLV-I, 11 peptides (2L1.1-2L1.11) were synthesised in which sequential amino acids were each replaced by the amino acid alanine. These 11 mutated poptides, as well as poptide 2L 1 bearing the native HTLV-I sequence were tested and identified that amino acids 90, 92, 93 and 95 were important for HTLV-I neutralisation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                             (USSH ) US DEPT HEALTH & HUMAN SERVICES.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                W09614335-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human; antigen; cartilage-derived morphogenetic protein-1; CDMP-1; protein-1; articular cartilage, chondrogenic; vulnerary; implantation, chondromalacia; osteoarthritis; therapy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Antigen pertide from cartilage-derived morphogenetic protein
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hes 6; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                          Luyten FP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              11 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
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75.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                            Moos M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 33;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 14; Length 11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
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AAY88556
ID AAY8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
                                                                                                                                                    WPI; 2000-293111/25
                                                                                                                                                                      Ronn LCB,
Poulsen FM,
                                                                                                                                                                                                                                                                     (HOLM/)
                                                                                                                                                                                                                                                                                                                                                                                                               neurite outgrowth promoter, proliferation, nerve damage, sclerosis, impaired myelination, stroke, parkinson's disease, memory, schillpl. Alzheimer's disease, diabetes mellitus, circadian clock, nephrosis, treatment, prosthetic nerve guide, treatment, nervous system.
                                                                                                                                                                                                                                                    (OSTE/)
                                                                                                                                                                                                                                                                                                            29-APR-1999;
                                                                                                                                                                                                                                                                                                                      29-SEP-1998;
                                                                                                                                                                                                                                                                                                                                        23-SEP 1999;
                                                                                                                                                                                                                                                                                                                                                            06-APR-2000
                                                                                                                                                                                                                                                                                                                                                                             WU200018801-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                    NCAM; neural cell adhesion molecule; Igl; immunoglobulin domain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NCAM Iql binding peptide 119 used as a control peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              07-AUG-2000 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAY88556;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAY88556 standard; peptide; 11 AA.
                                                                                                                                                                                                                                 (POUL/)
                                                                                                                                                                                                                                         (JENS/)
                                                                                                                                                                                                                                                             (OLSE/)
                                                                                                                                                                                                                                                                               (BOCK/)
                                                                                                                                                                                                                                                                                          (RONN/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       in a mammal. The protein may be used in therapy of e.g. chondromalacia or osteoarthritis, to heal joint surfaces, or to
                                                                                                                                                                                                    (BERE/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               repair cartilage after reconstructive surgery.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3 KKPKRNIKA 11
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                                                                                                                                                                                                              SOROKA V. RALETS I.
                                                                                                                                                                                                   BEREZIN V.
                                                                                                                                                                                                                                                 OSTERGAARD S
                                                                                                                                                                                                                                                                                         RONN
                                                                                                                                                                                                                                                             OLSEN M.
                                                                                                                                                                                                                                                                     HOLM A
                                                                                                                                                                                                                                                                                 BOCK
                                                                                                                                                                                                                                 POULSEN F M.
                                                                                                                                                                                                                                         JENSEN P H
                                                                                                                                                                     Bock E, Holm A,
1, Soroka V, Ral
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                        L CB
                                                                                                                                                                                                                                                                                                                     98DK-0001232.
                                                                                                                                                                                                                                                                                                           990K-0000592.
                                                                                                                                                                                                                                                                                                                                        99WO-DK00500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                61.1%;
55.6%;
                                                                                                                                                                     m A, Olsen M, Ost
Ralets I, Berezin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 33;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
                                                                                                                                                                              Ostergaard S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 17; Length 13;
                                                                                                                                                                               Jensen PH;
                                                                                                                                                                                                                                                                                                                                                                                                                                   schischhenia;
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Neural cell adhesion molecule (NCAM) is a cellular adhesion molecule. MCAM is found in three forms, two of which are transmembrane forms, while the third is attached via a lipid anchor to the cell membrane. All three NCAM forms have an extracellular structure consisting five immunoglobulin domains (Ig domains). The Ig domains are numbered 1 to 5 from the N-terminal. The invention relates to a compound containing a peptide which binds to the MCAM Igl depain. The appears it has "MCAM Igl Igl domains, and is capable of stimulating or promoting neurite outgrowth from NCAM presenting cells, and is also capable of promoting the

and Parkinson's diseases

treating disorders of the nervous system and muscles e.g. Alzheimer's Compositions that bind neural cell adhesion molecules useful for

Example 5; Fig 7; 119pp; English.

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Javery March
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       priliteration of N'AM presenting cells. The present sequence represents a control post of small in the identification of those briding peptides which can be used in the compound. The compound may be used in the frequency of normal, degenerated or damaged NCAM presenting cells. The
                                                                                                                                                           the present invertible relates to a method for determining the presence of ne-princtic molecular variers in a bast, involving the use of ne-priastic market separate response to detect such markets and analysing the irriy of respons, allowing the identification of the ne-plastic fireties present. This can be used to determine the best treatment for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        between and the presence of peoplastic molecular markers, by about dying the presence of markers in base test sumple using array of peoplastic colonials markers specific temperate and analyzing the array of the temperate.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Harman,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Haman HBAPF I transcriptional regulator peptide fragment
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 4; Page 10; 41pp; English.
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convers, in particular neural cell, lung and prostate tumours. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 . CIT CHAINEN COMM.
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iffices fitter.
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(89.18.4 (4.11.18)
(89.18.5)
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Proof. No. 52;
C; Micmatchec 4; Indelc
                                                                                                    The
         capable
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ATAMATA MATAMATANTONATAL ADAMATAN AKARAKANA PERADAL

3A8 34748;

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RESULT 11
AAE34248
ID AAR34
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                                                                                                            Matches
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                                                                                                                               Query Match
                                                                                                                                                                                  acids RR-98 were required for absorption of neutralising anti-peptide antibodies to HTLV I, il peptides (21.1.1.21.11) were synthesised in which sequential anide were each replaced by the amino acid alanine. These il mututed peptides, as well as peptide 31.1 bearing the native HTLVI sequence were rested and identified that amino acids 90, 32, 33 and 35 were important for HTLV I neutralisation.

See also AAR34225-57.
                                                                                                                                                                                                                                                                                                                    Antigenic determinant poptide(s) of HTLV envelope glycospiotein useful for detecting anti-HTLV-1 and -17 antihodies and as vaccine against HTLV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Hyman T cell leukaemia virus; hydrophilin; monjygate; agdredate;
diagoseis, actikodies, gp46, morann, g43, T cell epitope.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  of acting as a marker of the invention
AAR34248 srandard; peptide; 11 AA
                                                                                                                                                            Sequence
                                                                                                                                                                                                                                                                       To determine which amino acids within the HTLV-I envelope amino
                                                                                                                                                                                                                                                                                               Example 7; Page 32; 50pp; English.
                                                                                                                                                                                                                                                                                                                                                                     WPI; 1992-134125/16.
                                                                                                                                                                                                                                                                                                                                                                                             Haynes BF, Palker TJ
                                                                                                                                                                                                                                                                                                                                                                                                                                             1. Loc I - LJO- 80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      12461-1445;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO9306843-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        HTLV-I residues 88-98, peptide 2L-1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                04-AUG-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAR34246;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAF74246 Standard, poptide; 11 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                      (UYDU-) UNIV DUKE
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                                                                                                                       Local
                                                           2 TKKPNEN 8
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                                                                               8 N3M43MS 7
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                                                                                                         Similarity
E; Conserv
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                                                                                                                                                            11 AA;
                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                              91:19-0771553
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                                                                                                                     71 48;
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Fred No. 71;
2; Mismatches "
                                                                                                            1; Migmatches
                                                                                                                       Score 29;
                                                                                                                         80;
                                                                                                                                   DB 14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 15,
                                                                                                                                    Length 11;
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AAR34255
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                                                                                                                                                                                                                                                                                                                                                                                        RESULT 12
                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                    Human T-cell leukaemia virus; hydrophilis; conjugate; aggregate; dingnosis; antibodies, gp46, mutant, gag; T cell epitope.
                                                                                                                                                                                                                                                                                                                                                                                                           To determine which amino acids within the HTLV I envelope amino acids R8-94 were required for absorption of neutralising anti-peptide anti-hodies to HTLV-I, 11 peptides (2L1.1-2L1.11) were synthesised in which sequential amino acids were each replaced by the amino acid alanine. These il mutared peptides, as well as peptide 2L 1 bearing the nature HTLV-I sequence were tested and identified that amino acids 90, 92, 94 and 95 were important for HTLV-I neutralisation.
         ņφ-0CT-1991;
                                                       15-APR-1993
                                                                                                                                                           Mutant HTLV: I residues 98-98,
                                                                                                                                                                                                                               AAR74255 standard; peptide; 11 AA
                                                                                                                                                                                                                                                                                                                                                                                      Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Antigenic determinant pertide(s) of HTLV envelope glyco:protein useful for detecting anti-HTLV-I and -II antibodies and as vaccine against HTLV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human T-cell leukaemia virus; hydrophilic; conjugate; aggregate; diagnosis, antibodies, graf, murant; gaq; T cell epitopo.
                                                                              W09306843-A
                                                                                                                                                                                    04-AUG-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 7; Page 32; 50pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 1993-134125/16.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Haynes BF, Palker TJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (UYDU-) UNIV DUKE.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mutant HTLV-I residues 88-98,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            04-AUG-1993
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                                                                                                                                                                                                                                                                                                                  2 SKKPKRN 8
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                                                                                                                                                                                                                                                                                           AKKPNRN 8
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                                                                                                                                                                                                                                                                                                                                                                                        11 AA;
                                                                                                                                                                                                                                                                                                                                         Gonservative
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                                                                                                                                                                                 (first entry)
         9108-0771553
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                                 42W-1-1:5-9405
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                                                                                                                                                                                                                                                                                                                                                  Score 29; DE
                                                                                                                                                           peptide 21-1.9.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   peptide 2L-1.2.
                                                                                                                                                                                                                                                                                                                                         Mi smat ches
                                                                                                                                                                                                                                                                                                                                                              DB 14;
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RESULT 13
AAR34256
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
To determine which amino acids within the HTLV-I envelope amino acids 88-98 were required for absorption of neutralising anti-peptide antibodies to HTLV-I, 11 peptides (2L1.1-2L1.11) were synthesised in which sequential amino acids were each replaced by the amino acid alanine. These 11 mutated peptides, as well as peptide 2L-1 bearing the native HTLV-I sequence were tested and identified that amino acids 90,
                                                                                                                                Antigenic determinant peptide(s) of HTLV envelope glyco:protein useful for detecting anti-HTLV-I and -II antibodies and as vaccine against HTLV
                                                                                                     Example 7; Page 32; 50pp; English.
                                                                                                                                                                                             WPI; 1993-134125/16.
                                                                                                                                                                                                                        Haynes BF,
                                                                                                                                                                                                                                                                                   08-0CT-1991;
                                                                                                                                                                                                                                                                                                               08-OCT-1992;
                                                                                                                                                                                                                                                                                                                                            15-APR-1993
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                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                               Human T-cell leukaemia virus, hydrophilic, conjugate, aggregate, diagnosis, antibodics, gp46; mutant, gag, T-cell opitore
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mutant HTLV-I residues 88-98, peptide 2L-1.10.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             04-AUG-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAR34256;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         To determine which amino acids within the HTLV-I envelope amino acids 88-98 were required for absorption of neutralising anti-peptide antibodies to PTLV-I, 11 peptides (CIL11-11:11) were synthesised in which sequential amino acids were each replaced by the amino acid alanino. These 11 mutated peptides, as well as peptide 2L-1 beating the native HTLV-I sequence were tested and identified that amino acids 90, 92, 93 and 95 were important for HTLV-I neutralisation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAR34256 standard, peptide,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 7; Page 32; 50pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Antigenic determinant peptide(s) of HTIV envelope glycosprotein useful for detecting anti-HTLV-I and -II antibodies and as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 1993-134125/16.
                                                                                                                                                                                                                                                     (UYDU-) UNIV DUKE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          vaccine against HTLV
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                                                                                                                                                                                                                        Palker TJ;
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Fred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mismatches
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80,
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                                                       AAY4415. standard; Pottile; 9 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   To determine which amino acids within the HTLV I envelope amino independent Property for absorption of neutralizing actification and selected in which separated across the following activities the property of across across the following activities across the following activities across HTLV I as peace was the first distribution of the following activities activities activities and the following activities activitie
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Fred. No. 85;
L. Minnatthes
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                                                                                                                                                                                                                                                                                                                                                                                                               individuals susceptible or otherwise at risk of viral infection or cancer, or used to treat chronic or acute conditions. They are also useful diagner healty, and take the useful induce a cytocoxic T cell response, by contacting a cytocoxic T cell with the petide e.g. to produce office excitor infection back into a patient. The filtypusculatibles entiding the immunity-his populdes are also useful therapoutically and for immunity-him as above.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New immunugenic peptides with HLA binding motif, useful in treatment and diagnosis of cancers and viral diseases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 1999-551214/46
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5 PERNIKA 11
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C.A.-Ferrism 330153
R.Murayama, Y.; Matsubayashi, T.; Sugita, M.; Sugiura, M.
Plant Mol. Biol. 22, 767 774, 1993
A.Title: Purification of chloroplast elongation factor Th
A;Reference number. S36183, MULL:93763910; EMIT:8758028
A;Accession: S39153
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   R;Kohnke-Godt, B.; Gabius, H.J.
Biochemistry 28, 6531-6539, 1989
A;Title: Heparin-binding lectin from human placenta: purification and
A;Reference number: A32971, MUID 90001207, FMID 2790011
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      C;Accession: S22995
R,Ziogelin, G.; Pansegrau, W.; Strack, B.; Balzer, D.; Kionjer, M.; Eruft, V.; Lunk, DRA for 1, 303-327, 1991
A;Tille: Bucleutide sequence and organization of genes flanking the transfer orbita A;Reference number, 202992, MCIS-92190549, EMID-1662997
A;Accession: S22995
                                                                                                                                                                                                                                                                                                                                                                                                                                     *Finslation wlengation factor EF-To, chloroplast common tobacco (fragment
CoSpecies: Micotiana 'Abacum (common tobacco)
Column (AzApt-1944 #sequence_revision of Apr 1994 #to-t change 05 Dec 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A;Status: preliminary
A;Molecule type: protein
A;Residues: 1-15 <KOH>
C;Feywords: heparin binding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A;Genome: plasmid
A;Start ::don: TT
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0;Species: Escherichia coli
0;Ciri: 31:585-1341 #sejieble_revisibn 30 %.; 1334 #rest_change 38:00t-1388
                                                                                                                      A;Molecule type: protein A;Residues: I 18 <MUR>
C;Superiamly: translation elongation factor Tu; translation elongation C;Superiamly: translation elongation factor Tu; translation elongation C;F-yw-r-ls: dhi-r-glast, GTF binding, protein biosynthesis
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C;Spato: 12-00f-1989 #sequence_revision 12-00f-1989 #text_change 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         heparin-binding lectin - human (fragment)
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A; Pesidues: 1-13 <ZIE>
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Query Match
Best Local Similarity 71.4%;
Matches 5; Conservative
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Best Local :
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l Similarity 66.7%;
4; Conservative
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   Score 23; DB 2; Length 18
Pred. No. 6.7e+02;
0; Mismatches 2; Indels
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Pred. No. 4.9e+02;
2; Mismatches 0; Indels
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3 KKFKENI 9

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C)Accession: 145957

R;Lee, D.C.; Carmichael, D.F.; Krebs, E.G.; McKnight, G.S.

Proc. Natl. Acad. Sci U.S.A. 80, 3608-3612, 1983

A;Title: Isolation of a cDNA clone for the type I regulatory subunit of hovine cAMP-depala, Reference number: 145957; MUID:83221645, PMID:6190178

A;Actassic: 145957
                                                                                                                                                                                                                                                                                                                                                                     protein kinase (EC 2.7.1.37), cAMP-dependent, type I-alpha regulatory chain - hovine (fic/Speciles: Bos primigenius taurus (cattle)
C:Date: 21 Pt. 27 #sequence_revision 21-Feb-1997 #text_change 18-Jun-1999
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C:Species: Arabidopsis thaliana (mouse-ear cress)
C:Date: 07-Fab 1996 #sequence_revision 19 Apr-1996 #text_change 06-Jun-1997
C:Arcession: PT0092
R:Faugital A : Famo, M.; Kawakami, M., Okki, Y.
R:Baugital A : Famo, M.; Kawakami, M., Okki, Y.
A:Bescription: Two dimensional electrophoresis of plant proteins and standardization A:Reference number: PN01/3
A:Accession: PT0082
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A;Molecule type: protein
A;Residues: 1-15 <TSUs
A;Experimental styrce: leaf
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         J. Barreriol 170, 416, 1799
A.Title: Sequence analysis of the Streptococcus mutans fructosyltransferase gone and fla
A.Reference number, A7137, MITT MALISTAY, EMIDICALASS.
A.Arcecsion: DD8551
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A; Molecule type: DNA
A: Pasidnes 1:12 / SHI.
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C/Date: 08-Mar-1989 #sequence_revision 08-Mar-1989 #text_change 15-001-1999
C/Accession: 028951
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                hypothetical protein 4 - Streptococcus mutans (strain GS-5) (fragment) C;Species. Streptococcus mutans
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     Best Local Similarity
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Best Local :
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  40.7%;
57.1%;
Score 22; DB 2;
Fred. No. 1.1e+03;
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    Mismatches

                   Length 19;
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P:Mateushita, S.; Fatz, D.H.
Cell Immunol. 137, 252-259, 1991
A:Title: The murine epsilon receptor modulating protein: a novel serine protease which as A;Peforence number. A61220, MUID.91356570, EMID:1679381
A:Accession: A61220
A;Molecule type: protein A;Residues: 1-18 <MAT>
                                                                                                                                                            C:Date: 03-May-1994 #sequence_revision 03 May 1994 #text_change 2: Mai-leas
C:Accession: A61220
                                                                                                                                                                                                       epsilon recoptor modulating protein (ET 2.4.21.) C:Species: Mus musculus (house mouse)
                                                                                                                                                                                                                                                                                   RESULT 14
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R:Shinomiya, T : Ohara, T.: Wada, N , Omori, A.: Kamada, N J. Biochem. 107, 435-439, 1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               mixed lymphocyte reaction inhibitor - rat (fragment)
(Species: Pattus norvegicus (Norway rat)
CJDate: 31-Dec-1990 #sequence_revision 31-Dec-1990 #text_change 24:Feb 1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A; Molecule type: protein A; Residues: 1-15 < SHI>
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        C; Keywords: lymphocyte
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A;Experimental source: strain C-125
C:Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A; Experimental source: liver
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A; Residues: 1-14 <STO>
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Nucleic Acids Res. 28, 4217-4331, 2000
A;Title: Complete genome sequence of the alkaliphilic bacterium Bacillus halodurans and
A:Peference number: A83750, MUID OCTIDER2; PMICILLUSELL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      hypothetical protein BH1032 [imported] - Bacillus halodurans (strain C 125) 0/Species: Bacillus halodurans C:Date: 01-Dec-2000 #Sequence_revision of Dec-2000 #text_change it Jun 2001 0.happerion: House
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A, Status: preliminary
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Query Match 37.0%; Score 20; DB 1; Length 8; Best Local Similarity 100.0%, Fred. No. 1.1e+05; Matches 4; Conservative 0; Mismatches 0; Indels
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I: Anilite A. (11, 2001); 15 the SWICE FEOT data buth.

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I: STETTIT M. near (By similarly).

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II. INDUCTION. Ry hear shock.

II. INDUCTION. Ry hear shock.

II. SIMILARITY BELOWES TO THE BIOSHICSTATE KINASE FAMIL

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10-MAY-2000 (Rel. 39, Created)
10-MAY-2000 (Pol 39, Last sequence update)
10-MAY-2000 (Pol 30, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                  STRAIN=VPB 3492; FibMod-10731616; WFPLIDS IN 44492; FibMod-10731616; WFPLIDS I.M., Tove D.N., "Guium antibod; respittes of mite to coluble whole cell antiquous felling Engiptement glogivalis."; felling Engiptement glogivalis."; Vet. Microbiel 74,97-44,2000; Cel. Microbiel 75,97-44,2000; Cel. Microbiel 75,97-44,2000; Cel. Microbiel 75,97-44,2000; Cel. Microbiel 75,97-44,0000; Cel. Microbiel 75,
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16-00T-2001 (Rel. 40, Created)

16-00T-2001 (Rel. 40, Last sequence update)

15 JUN-2002 (Rel. 41, Last annotation update)

Phosphoglycerate kinase (EC 2.7.2.3) (Fragment)
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P81095;
15.JUL-1998 (Rel. 36, Created)
15.JUL-1998 (Rel. 36, Last sequence update)
15.JUN-2002 (Rel. 41, Last annotation update)
Cold shock protein CSI5 (11 kDa cold shock protein) (Fragment).
Bacillus subtilis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDLINE=96345629; PubMed=8755892; Graumann P. Schroder F. Schmid P. Marabiel M.; "Old shock stress-induced proceins in Pacillus Subtilis."; "Pacteriol 178.4811-4810(1996)
"Pacteriol 178.4811-4810 (1996)
"STREPLUIAP LOCATION TYTOPLASMIC INDUCTION IN ESTRONE TO NOW TEMPERATURE
"I CAUTTON Could not be found in the genome of B.subtilis NOW TER
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Graumann P I , Schmid P
Graumann P I , Schmid P
                                                                                                                                                                                                                                                                                                 STRAIN-CCUG 12929;
MEDLINE-97334132; FubMed-9190829;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MDH.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOH_ACIDE STANDARD; PRT; 17 AA. PRO$40; C1-FEB-1996 (Rel. 3), Created) O1-FEB-1996 (Pel 3), List sequence update) 16-00T-2001 (Pel 40, List annotation update) Malate dehydrogenase (EC 1 1 1 37) (Fragment)
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he SWISS-ppor
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MEDLINE_97077345, FukMed_8912912,

MEDLINE_97077345, FukMed_8912912,

Fansch L , Kruft V , Schmitz H K , Braun H P ;

"New insights into the composition, molecular "ass
"New insights into the composition, molecular "ass
"New insights into the composition, molecular "ass
"See insights into the composition in the protein composition in the protein composition in the composition
allatostatin superfamily in the shore orab Carcinus maenas.", Eur. J. Blochem. 250:727-734 (1997).

FUNCTION: MAY ANT AS A NEIPEMPANAMITTED OR NEUPAMODULATOR SIMILABITY. PELONOS TO THE ALLATOSTATIN FAMILY.

HOUNDED ALL MINING FAMILY. MOUNTED FAMILY.

MOUNTED FEE 19 18 MAY 353111208160AE27 CRC64;
                                                                                                                                                                                                                                                                                                                                                                   TISSUE=Cerebral ganglion, and Thoracic ganglion;
MEDLINE=98121193; FubMed=9461295,
Pive H , Johnsen A.H , Maestro J.-L., Scott A.G., Jaros P.P.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Carcinustatin 13.

Carcinus maenas (Common shore crab) (Green crab).

Eukaryota; Metaros; Arthropoda; Mandibulata; Pancrustacea; Crustacea;

Malacostraca; Eucalacostraca, Eucarida, Decapoda, Fleocyemata;

Brachyura, Eubrachyura; Fortunoidea, Portunidae; Carcinus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AL13_CARMA STANDARD, PET, 18 AA. P81816.
30 MAY-2000 (Rel. 39, Created)
30-MAY-2000 (Rel. 39, Last sequence update)
30-MAY-2000 (Rel. 39, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Solanum tuberosum (Potato).
Eukaryota; Viridiplantae; Streptophyta, Embryophyta, Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Asteridae; euastoride I; Solanales; Solanaceae; Solanum.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CARMA
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01-FEB-1996 (Pel. 33, Last sequence update)
01-NOV-1997 (Rel. 35, Last annotation update)
Unidentified mitochondrial matrix protein (Fragment).
                                                                                                                                                                                                                                                                                             "Isolation and identification of multiple neuropeptides of the
                                                                                                                                                                                                                                                                                                                                         Thorpe A.
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16 AA; 1768 MW;
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Pred. No. 7c+02;
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Postino R. J.C., Bolimo J.M., Bickle Q.D., Dowaney E., Grencis P.K.,
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A. Paramo and the conference (EP 3.1.1911) (Acyl populde hydrolase)
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15 JHL 1930 (Rel. 19, Last projectic update)

15 JHL 1931 (Rel. 40, Last annotation update)

16 Japanhrows morthyl riter tautomorane (Macrophage migration inhibitory tautomorane)

17 June 1 June 1974 (Franchis)
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RESULT 13
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01-007-1994 (Rel. 30, Created)
01-007-1994 (Rel. 30, Last sequence update)
15 JUN 2002 (Rel. 41, Last annotation update)
Cytishing - Kidake E'lypopiido VIII liversheari (EC 1.9.3.1)
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SEQUENCE
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Freshold F., Kadeutach B.;

Submitted (MAP-1994) to the SWISS.EPOT data hank.

1 CHACTION. THIS FROTEIN IS ONE OF THE MUCLEAR COURSE POLYPEPTIDE CHAINS OF TITOHROME COURSES, THE TERMINAL OXIDADE IN MITOCHBORBIAL ELECTRON TRANSPORT.

1- CATACTIC ACTIVITY: 4 CELLULLYLIGHTONE C. - C(2) 4 (FRICKYTONE)

0 + 2 H(2)0.

    -!- SIMILARITY: BELGARS TO THE CYTOCHROME C OXITASE
Oxidoreductase; Mitochondrion.
    NON_TER
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Eukaryota, Motarca, Chordita, Craniara, Verrebrata, Eu
Mammalia, Euthoria: Lagemorpha, Lepenidae, Orymholagus
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE 10 AA; 10/7 MW; 2/3/5/6400076338 7FC64;
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TERMINAL FEITHER HOLD OF AN M. ACTYLATES FEITHER TO SEMINATE
AN M. ACETYLATED AN AND A PERTIDE WITH A FREE AMINO TERMINUS.
IT PREFERENTIALLY CLEAVES OFF AC-ALA, AC-MET AND AC-SER.
CATALYTIC ACTIVITY: Acylentoroxyl-peptide + H(2)0 - acylentic
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Fred No. 9.90-00;
C, Mismatches 2; Indels
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Pred. No. 1.3e
1; Mismatches
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30-MAY-2000 (Pel 39, Last seque
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Clover proliferation phytoplasma

(Fragment sequence update)

proliferation phytoplasma

Q46228; BS19 CLOPP

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The Sacteriol 176:5244 5254(1994).

J. Bacteriol 176:5244 5254(1994).

J. Bacteriol 176:5248 519 FORMS A COMPLEX WITH S13 THAT BIRDS STRONGLY TO THE 16S RIBOSOMAL RNA (BY SIMILARITY).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               108 ribosomal protein Sie (Fragment).
RPSA OR PPSIe.
EMBL; L27027; AAA83944.1; -.
Interpro; Ippn02222; Fitosimal S19;
PPOSITE; PS00223; RIBOSOMAL_S19; PARTIAL
                                                                                                                                the European Bioinformatics Institute. The use by non profit institutions as long modified and this statement is not removed.
                                                                                                                                                This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non profit institutions as long as its content is in no way
                                                                                     entities requires a license agreement (See http.//www.isb sib.ch/announce/or send an email to licensesisb-sib.ch).
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Barteria, Firmicutes, Mollicutes, Acholeplasmatales,
Acholeplasmataceae, Phytoplasma.
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- PUNCTION - PROTEIN SIA POPMS A COMPLEX WITH SIB THAT BINLS STECHELY TO THE 16S RIBOSOMAL RNA (BY SIMILARITY).
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01-NOV-1997 (Rel. 35, Created)
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01-NOV-1997 (Rel. 35, Last annotation update)
01-NOV-1997 (Rel. 35, Last annotation update)
Cytochrome c oxidase polypeptide VIC-2 (EC 1.9.3.1) (Fragments).
Thunnus obseus (Bigeye tuna). Craniata, Vertobrata, Elbelowitomi, Entaryota, Metaroa, Chordata; Craniata, Vertobrata, Elbelowitomi, Actinopterygii, Neopterygii, Teleostei, Enteleostei, Neopterygii, Recombridae; Thunnus.
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                                                                                                                                                                       Oxidoreductase; Inner membrane; Mitochondrion
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-1- CATALYTIC ACTIVITY: 4 ferrocytochrome c + 0(2) 4 ferrocytochrome
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O9TWR3;

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O1-JUN-2000 (TrEMBLrel 14, Last annotation update)

Histone H1 (Fragment).

Trypanosoma cruzt.

Elkary-ta, Eugle-32-4, First (Flastida, Trypan-semate)

NCBI_TaxID=5692;
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Tore G C , Galanti N , Hellman U., Wernstedt C.;
"Unambignous identification of histone H1 in Trypanosoma cruzi.";
"Cell Blockem 52 431-43011933;
SEQUENCE 17 AA; 1820 MW; AC1980052D8E0075 CP064;
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Electrical Control volumes Hildenborough.";

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Pleiotrophin (Fragment).
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SEQUENCE 17 AA; 1925 MW; 4428C888EF0417ADD (RC64;
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Takamarsi, B., Itch M., Kimura M.,
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O1-JAN 1998 (TremBirel, O5, Created)
O1-JAN 1998 (TremMirel, O5, Last sequence update)
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                        QQQQXQ PRELIMINAPY; PRT; 10 AA. QQQXX9. 01-MAY-2000 (TrEMBLrel 13, Created) 01-MAY-2000 (TrEMBLrel 13, Last sequence update) 01-MAY-2000 (TrEMBLrel 13, Last annotation updat large T antigen (Fragment). Polymayirus JC. Polymayirus JC. Polymayirus JC. Polymayirus JC.
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Eukarysta, Meturos, Chodara, Oraniata, Vertekrara, Euroleoctomi,
Mammalla, Euthoria, Perissodactyla, Equidae, Equus.
MCPI TaxIC:3736,
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01-DEC-2001 (TrEMBLrel. 19, Created)
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Desmocollin 2 (Fragment).
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
NCRI_TaxID:9606;
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Shibiriwaki Div , Venta D.J., Druglass O.C., J
Tanan and Amerikan and Amerikan and Milin so ogilos
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Homo sapiens (Human).
Motarca, Chardata,
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11-NTV-1936 (TYEMRIJel 01, Last soquent of Max-1939 (TYEMRIJel 10, Last annotation updat
Dystrophin protein (Fragment).
NCBI_TaxID=10632;
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Anim Genet 12:78 79/2001).
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B.J. E. William Mirrian I. (C. 218 219 (2000)).
B.M.D. ARTICLES, AART F. (1)
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THE THE TO AA, TIBO MW, ACD6A4F771A32763 CRC64;
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EMBEL ARTIFEST AREAS 1551;
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Q9QQXI;

Q1-MAY-2000 (TrEMBLrel 13, Last sequence update)

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Large T antigen (Fragment).
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                                                                                   MEDITNE=20087544; PubMed=10618230; Bofill Mas S., Pina S., Girones R.; "Lumenting the will-fillogic gatterns of polyomaviruses populations by studying their presence in urban sewage."; Appl Environ Microbiol 66.238 245(2000).
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Viruses; deCHA viruses,
VCBI_TaxID=10632;
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Bofill-Mas S., Pina S., Girones R.,
"Power in the the political Light participation of polymministry populations by studying their presence in urban sewage. Appl Environ Microbil 66.238.245(2000).

MON TER 1 191448; AAF24102 1; --
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Viruses, daTHA viruses, n.
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similarity 100.0%; P
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100.0%; Pred. No. 1.3e+03;
100.0%; Mismatches o;
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  s: Are 22; DB
s; Pred. No. 1.3
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Db 2 KKPK 5

Search completed: March Co. Door, 09:40:50 Job time : 30 secs

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2: /cgn2_6/ptodata/
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Copyright (c) 1993 - 2003 Compugen Ltd
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/cgn2_f/ptodata/2/laa/5B_COMB.pep.*
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US-08-116-733-31
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US-08-146-325-10
US-08-15-68-37-10
US-08-841-483-15
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US-08-333-402-85
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ALIGNMENTS

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; Patent No. 5516632
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                                                                                            Query Match
Best Local 9
                                                                         Matches
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TELEPAX: (703) 816-4100
TELEX: 20707 NIXH UR
INFORMATION FOR SEQ ID NO: 31
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                       CURRENT AFFILL.... US/08/116, APPLICATION NUMBER: US/08/116, FILING DATE: 07-SEP-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: WILSON, MARY J.
NAME: WILSON, MARY J.
NAME: WILSON, MARY J.
NAME: WILSON, MARY J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
APPLICANT: PALKER, Thomas J.
APPLICANT: HAYNES, Barton F.
TITLE OF INVENTION: SYNTHETI
NUMBER OF SEQUENCES: 46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER PRADABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                            TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                PEGISTRATION NUMBER. 31
                                                                                                                                                                                      TYPE: amino acid TOPOLOGY: linear
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                                                                                      Match 61.18;
Local Similarity 75.08;
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ZIF: 22201-4714
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Parent No. 5516632
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12. LICE SELECTORY AS AS A CASE

13. N. T. CASE A SA NOTIONAL SELECTORY

14. N. T. CASE A SA NOTIONAL SELECTORY

15. N. T. CASE A SA NOTIONA
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Application US/UNI16733
Pirember N., 9416-32
Balasaan DE SMATTEN.
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CLASSIF FARTON: 436
AUTORREY/A BUTT INFORMATI N:
NAME: WILSYN, MARY J.
DESIGNMENT M. WIMMED: 32,345
BEFFRENCE/DOCKET NUMBER: 1579-83
BELE-MM N. WITCH NEWATI N:
CELEBRE ME: "TO 1, 416, 4700
TELEBRAX: "7041-416, 4100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          BENEFAL INFORMATIONS
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APPLI ANI: HAYNES, MAITON E.
TITLE OF INVENTION: SYNTHETIC PEPTIDES
ACMHER OF SEQUENCES: 46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  THE ABOVE TO SELECTION OF THE SELECTION 
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MHUTER IEM P'OPERATION
SPERMITER EYSTEM: P'OPERATION FROM
SPERMINE FALCHILL POPOLOG #1.0, Vendion #1.20
"ERRIT ARELICATION CATA
"OFFICATION NUMBER: US/28/116,743
MESTRE: IDM 1 "SHARTINE STREET HILD STREET HILDS SCHIMARES FOLKER HILD, Version #1.25
MERCHY ARREST MINNERS TO PA/116,773
ALICIPATI N MYMERS TO PA/116,773
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDICAL TO SEAD ASSESSED ASSESSEDANCE ASSESSED ASSESSEDA ASSESSED ASSESSED ASSESSED ASSESSED ASSESSED ASSESSED ASSESSEDA
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STREET: 1100 NOFTH SLEBE ROAD
TITE ARLINITEN
STATE: VIFINIA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Patent No. 5516632
Patent No. 5516632
Patent No. 5516632
GENERAL INFORMATION:
APPLICANT: PALKER, Thomas J.
APPLICANT: HAYNES, Barton F.
TITLE OF INVENTION SYNTHETIC PERTINES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 53.7%; Score 29; DB 1; Length 11; Rest Local Similarity 71.4%; Pred. No. 27; Matches 5; Conscribative 1; Mismatches 1, Indels
          Matches
Query Match 53.71; Sebru 29; 28 1; Length 11; Best Local Similarity 71.4%; Fred. No. 27; Matches 5; Conservative 1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US/68/116,733
FILLING DATE: 07-SEP 1993
CLASSIFICATION: 435
CLASSIFICATION: 435
A!!OMMEY WILSON, MARY J.
NAME: WILSON, MARY J.
PROTETRATION MIMPER: 1579-33
FELECOMMENTICATION HIMBER: 1579-33
16LECOMMENTICATION HIMBER: 1579-33
16LECOMMENTICATION HIMBER: 1579-33
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16LECOMMENTICATION HIMBER: 1579-33
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TELEX: 200797 MIXM UR
IMPORMATION FOR SEQ ID NO
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CLASSIFICATION: 435
ATTOPNEY/AGENT INFORMATION:
NAME: WILSON, MARY J.
REGISTRACTION NUMBER: 22,955
REFERENCE/FOOTET NUMBER: 1570
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
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TELEX: 200797 NIXN UP
THE FMATTLY FOR SELIT W
SEQUENCE CHAPACTERISTICS:
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-ForS/MS.ToS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                     TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
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ADDRESSEE, NIXON & V
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: peptide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY: APLINGTON STATE: VIRGINIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 11 amino
TYPE: amino acid
TübüLüGY: linear
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                                                                                                                                                                                              LENGTH:
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                                                                                                                                                                                                 11 amino acids
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US-08-116-733-41
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Patent No. 5516632
PREFER INFORMATION.
APPLICANT: PALKER, Thomas J.
APPLICANT: HAYNES, Barton F.
TITLE OF INVENTION. SYNTHETIC PEPTIDES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-08-116-733-40
                                                                                                                                                                                                                                                                                                              Sequence 41, Application US/08116733 Patent No. 5516632
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
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                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
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TELEFAX: (703) 816-4100
TELEX: 200797 NIXN UR
THETHATION 6-E SEQ ID NO. 40:
SEDITENCE CHAPACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION: 435
ATTORHET/AGENT INFORMATION:
NAME: WILSON, MARY J.
PEGISTRATION NUMBER, 32,955
PEFFPENCE/COMMENTION INFORMATION:
TELECOMMUNICATION INFORMATION:
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
                                                                                                                                                                               APPLICANT: PALKER, Thomas J.
APPLICANT: HAYNES, Barton F.
TITLE OF INVENTION. SYNTHETIC PEPTIDES
NUMBER OF SEQUENCES: 46
OPPRESPONDENCE ADDRESS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDIUM TYPE: Floppy disk
COMPUTER: IRM PC compatible
JEKATING SYSTEM: PC-DuS/MS-DuS
SOFTWARE: Patentin Release #1.0, Version #1.25
CUPRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/116.733
                                                          STREET: 1100 N.PT
CITY: ARLINGTON
STATE: VIRGINIA
COUNTRY: U.S.A.
ZIP: 22201-4714
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ZIP: 22201-4714
COMPUTER READABLE FORM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        y Match 53.7%; Score 29; DB Local Similarity 71.4%; Prod. No. 27; hes 5; Conservative 1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            S SKEPPEN 8
                                                                                                                                              ADDRESSEE: NIXON & VANDERHYE P.C
STREET: 1100 NORTH GLEFF FOAD
                                                                                                                                                                                                                                                                                                                                                                                                                                     2 TKKPNEN 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE: NIXON & VANDERHYE P.C. STREET: 1100 NORTH GLEBE ROAD CITY: ARLINGTON
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  VIRGINIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11 amino acids
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1; Indels
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US-08-116-733-30
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                                              REFERENCE/DOCKET NUMBER: 1579
TRICCOMMUNICATION INFORMATION:
TELEPHONE: (703) 816-4100
TELEFAX: (703) 816-4100
TELEX: 200797 NIXN UR
INFORMATION FOR SEQ ID NO: 30.
SEQUENCE CHARACTERISTICS:
LENGTH: 13 amino acids
TYPE: amino acids
TYPE: amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; MOLECULE TYPE: peptide US-08-116-733-41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 30,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Rest Local Similarity 71.4%; Pred. No. 27,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEPHONE: (703) 816-4000
TELEFAX: (703) 816-4100
TELEX: 200797 NIXN UR
INFORMATION FOR SEQ ID NO: 41:
                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
            TOPOLOGY: linear MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                          APPLICATION NUMBER: US/08
FILING DATE: 07-SEP-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                  SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: PALKER, Thomas (TAPPLICANT: HAYNES, Barton F. TITLE OF INVENTION: SYNTHETIC PEPTIDES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADDRESSEE: NIXON & V
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER: 15
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: WILSON, MAPY J
REGISTRATION NUMBER: 32,9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                        REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CITY: ARLINGTON STATE: VIRGINIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY: U.S.A. ZIF. 22201 4714
                                                                                                                                                                                                                                            NAME: WILSON, MARY J.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US/08/116,733 FILING DATE: 07-SEP-1993
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BARBAL DEFRMATION:
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APPLICATION NUMBER: 32,985
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APPLITANT: HAYNES, FILTION F.
TITLE F INVESTOR N. FYNTHETT: PEPTITES
FTWERE OF SEQUENTES: 46
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APPELL ANTE: BAYNES, BARTOLL B.
TITLE '9 NOVEN. N. SCHIHLL BERTHALL
MYMMER OF SEQUENTES: 46
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REFEREN 'E(DO'KET NOMBER: 10
ELBO MMONT NATION INFORMATION:
TELEPHONE: 4200 974 4000
AMINITAL:
                                                                                             PRESIDENCE ACCURACY
STREET TOWN PER MERE PART
TOY: ARCMIN N
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             U.S.A
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88.78, Prod. No. 1.9e+05;
911190 9; Mismutches 1; Indels
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; TYPE: amino acid; TOPOLOGY: linear; MOLFCULE TYPE: pepride
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; Parent No. 5849558
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COMPUTER: IRM PC compatible
OPERATING SYSTEM: PC-065/M5-DOS
SOFIWARE: FALPRILL Rel-ARM #1 0, V-18100 #1.25
SOFIWARE: FALPRILL Rel-ARM #1 0, V-18100 #1.25
CURRINT APPLICATION DATA:
APPLICATION NUMBER: U5/88/116,733
FILLING DATE: 07-SEP-193
CLASSIFICATION: 435
ATTOCHEY/ACENT INFORMATION:
NAME: WILSON, MARY J.
PERICETARION MUMBER: 32,955
PERICET
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                                                                                                                                                                                                                                       CLASSIFICATION: 435
PRIOR APPLICATION DATA:
FILING DATE:
FILING DATE:
ATTICENTY DATE:
ATTICENTY DATE:
ATTICENTY DATE:
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Best Local Similarity 71.4%; Pred. No. 41;
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APPLICANT: MOSCAN, RICHARD
APPLICANT: CHANG, SHIYUH
TITLE OF INVENTION. DISCOVERY OF AND
TITLE OF INVENTION. METHOD FOR SHOULD AND FRODUCING THE
TITLE OF INVENTION. DISCI RESTRICTION PRODUCING THE
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INFOSMATION SOF SEQ IT NOT
                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: FASTSEQ Version 2.0
CURRENT APPLICATION DATA:
AFFLICATION MIMPRE MINIS, 956,
FILING DATE: 15-MAY-1997
                                                                                                                                              FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Williams, Gregory D
REGISTRATION NUMBER: 30901
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                                        REFBRENCE/TOCKET NUMBER. NE
TELECOMMUNICATION INFORMATION:
TELEPHONE: 978 927 5054
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COMPUTER READABLE FORM:
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LENGTH: 11 amino acids
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER: IBM COM
OPERATING SYSTEM:
SOFTWARE: FastSEC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STREET: 32 Toz
CITY: Beverly
STATE: MA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: New England Biolabs, Inc
STREET: 32 Tozer Road
    TELEFAX:
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2 TKKPARN 8
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978 927 1705
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M: DOS
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RESULT 11
US-08-193-521-10
; Sequence 10, Application T2/08133521
Preset No. 5470950
                                                        US-08-193-521-10
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Query March
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
APPLICANT: Maloy, W. Lee
APPLICANT: Karl, U. prasad
APPLICANT: Williams, Jon I.
TITLE OF INVENTION. Biologically Active Peptide
TITLE OF INVENTION: Compositions and Uses Theref
NUMBER OF SEQUENCES: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                     TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION HUMBER. US
FILING DATE:
                                                  FEATURE:
OTHER INFORMATION: May be a C-terminal amide,
OTHER INFORMATION: and/or may be acctylated at
OTHER INFORMATION: N-terminus.
                                                                                                                                                                                                                                                                                     NAME: Olstein, Elliot M.
PROTSTRATION NUMBER: 24,025
REGERENCLOCKET NUMBER: 421250-161
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER: IBM PS/2
OPERATING SYSTEM: PC-DUS
SOFTWARE: DWA-V2
CURRENT APPLICATION NUMBER: U3/64
APPLICATION NUMBER: U3/64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inc
                                                                                                                                           MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: 13-SEP-1991
ATTURNEY/AJENI INFURMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
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STREET: 6 LC.
CTTY: Roseland
                                                                                                                                                                                  STRANDEDNESS
                                                                                                                                                                   TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER:
                                                                                                                                                                                                                       LENGTH:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE: Carella, Byrne, Bain, Gilfillan, ADDRESSEE: Cecchi & Stewart STREET: 6 Becker Farm Road
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH. 11 amino acids
TYPE: amino acid
STRANDENESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     March 51 9%; Socre 28; DB Local Similarity 62.5%; Fred. No. 41; es 5; Conservative 2; Mismatches
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62.5%; Prod. No.
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DB 1, Length 18; 66;
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US-08-465-325-103
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// Sequence 103, Application US/08465325
// Patent No. 5686563
                                                       RESULT 13
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; Patent No. 56
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Best Local 9
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 amino acids
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APPLICATION NUMBER: 1
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: DW4.V2
CURRENT APPLICATION DATA:
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MEDIUM TYPE: 3.5 inch diskette
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APPLICANT: Jacob, Leonard S.
APPLICANT: Maloy, W. Lee
TITLE OF INVENTION: Treatment of Gynecological
TITLE OF INVENTION: Malignancies with
TITLE OF INVENTION: Biologically Active Peptides
NUMBER OF SEQUENCES: 117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS.
                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Olstein, Elliot M.
PEGISTPATION NUMBEP: 24,025
REFERENCE/DOCKET NUMBER: 421250-194
                                                                                                                                                                                                                                                                                              STRANDEDNESS
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OPERATING SYSTEM:
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                                                                                                                                                                                                                                                                                                             TYPE: amino acid
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APPLICATION NUMBER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STREET: 6 Becke
CITY: Roseland
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: 115/08/226,108
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                                                                                                       9 KKPKKLLK 16
                                                                                                                                        3 KKPKRNIK 10
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                                                                                                                                                                                                                                                                                                                              18 amino acids
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GENERAL INFORMATION:

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De pende 103. Application US/S0115737
Putent No. 6444445
BENGPAC INF PMATI N:
APPLI AMPLE T. Prasid Kari
Toffy J. Williamo
Michael Milape
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RESISTRATION NUMBER: 32,084
REGENERATE ATTO N. INFORMATION:
TREATMONE: (2011 98 4000
TELEPHONE: (2011 98 4000
TELEPHONE: 270 4.44 4.5
INFORMATION: 133;
LEQUEROE: (HAPACTERISTICS:
TELEPHONE: 14 JUNE 1911 51
LEQUEROE: (HAPACTERISTICS:
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METICM TITE BEACHER BLAK.

METICM TITE BANGE BLAK.

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APPAICANT: Plymouth Meeting, PA 19462
Title of INVENTION: Principally Active legildes Having
Title of Pavention: N Triminal Substitutions
MUMBLE of EQUIANTES: 184
Table to the Commencer of the Commencer 
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F910R ADPLICATION DATA
APPLICATION REPORT
APPLICATION DATE: 01 JUN 92
APPLICAND DATE: 01 JUN 92
APPLICAND DATE: 01 JUN 92
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Tagal Similarity 52.5%; Prod. No. 66;
Tagal C., Observative 2; Mismatches 1; Indels
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**PRESE NUMBER OF ACCRESS:
**ANURECORD TERMS AND Honderson, Farabox, Carrett
Compet, Lile.
STREET: 187 1 Street, N.W. Suite 700
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Suite 790
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MEDIUM TYPE: FIRM:
MEDIUM TYPE: FIRM:
COMPUTER: IBM PC COMPATIBLE
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US/09/115/37
PRIOR APPLICATION NUMBER: WS/465,330
PRIOR APPLICATION NUMBER: WS/465,330
PRIOR APPLICATION NUMBER: WS/465,330
PRIOR DATE: 05-UUN-1995
APPLICATION NUMBER: WS/465,330
PRIOR DATE: 01-UUN-1995
APPLICATION NUMBER: 02/851,201
PRIING DATE: 01-UN-1995
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, Patent No. 5750361
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APPLICANT: Stanley B. Prusir
APPLICANT: Kyotoshi Kaneko
APPLICANT: Fred E. Cohen
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Valeta Grogg
REGISTRATION NUMBER. 35,7
REFERENCE/DOWNET NUMBER.
                                                                                                                                                                                                SOFTWARE: ASCIII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US
FILING DATE:
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OMPHTER PEADABLE FORM.
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CITY: Menlo Park
STATE: California
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                                                                                                                                                                                                                                                                                                                                                  MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: FO DOG/MO TOS
CORRESPONDED FOR DOG/MO TOS
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 322-5070
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5: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB_pep:*
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7: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB_pep:*
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SUMMARIES

Result No.

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ALIGNMENTS

APPLICANT: LUYEN, Frank P. APPLICANT: MOOS, Jr., Malcolm APPLICANT: Chang, Steven Chao-Huan TITLE OF INVENTION: CAPTILAGE-DERIVED MCEPHOGENETIC TITLE OF INVENTION: PROTEINS TUMBER OF SEQUENCES: 24 CCPPERPONDENCE ADDRESS ADDRESSEE: KNOLDE, MARLENS, Cleon & Bear STREET: 620 Newport Center Drive, 16th Floor CITY: Newport Beach COUNTRY: U.S.A. ZIP: 92660 COMPUTER READABLE FORM: MEDIUM TYPE: Diskette COMPUTER: IBM Compatible OPERATING SYSTEM: Windows SOFTWARE: FASLSEQ for Windows Version 2.0b CURRENT APPLICATION DATA: APPLICATION NUMBER: US/09/730,772 FILING DATE: CLASSIFICATION: PRIOP APPLICATION DATA: APPLICATION NUMBER: US/09/730,772 FILING DATE: CLASSIFICATION REIL SATTERICH NUMBER: 39,901 REFERENCE/POCKET HUMBER: 39,901 REFERENCE/POCKET HUMBER: NHIDDER TELLEPMX: 619-235-0176 TELEPMX: 619-235-0176 TELEPMX: 619-235-0176 TELEPMATION FOR SEQ ID NO: 10:	ESULT 1 35 39-730-772-10 Sequence 13, Application US/03730772 Patent No. US20010011131A1
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PAPER NO. 11, Application TS/S9795849

EVERT N. 1821 TOTAL

ERBRAT MERIPMATION:
APPLIANT: Moss, St., Malcodm
APPLIANT: Thath, St. Pres That Huan
TITLE OF INVENTI N. SECTIONS

MINHER OF SEGMENTS. 24

**SEMESPOSSES: Enough, Mittons, Olson & Boat

ADLEESE: Mittons, Mi
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D. P. 12: W. Trocar
S. M. LEBTLE TYPE: Poptide
U. W. 74: 77: 10
; despende 44, Application '%/19694699
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OPERATING SYSTEM: Windows
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TYPE: January Act 1
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US-10-092-750-39
Sequence 30, Application US/10092750
Fublication US/2003033157A1
GENERAL INFORMATION:
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US-09-999-724-42

/ Sequence 42, Application US/04444724

/ Publication No. US20030022355A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; ORGANISM: Homo sapien
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GENERAL INFORMATION:
APPLICANT: SIMARD, John, J.L.
APPLICANT: DIAMOND, David, C.
APPLICANT: DIAMOND, DAVID, C.
TITLE OF INVERTION. CANCER
FILE OF INVERTION. CANCER
FILE PRESPENCE: CTLIMM 0.5A
FILE PRESPENCE: CTLIMM 0.5A
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                                                                                                                                                                                                                       ; GENEFAL INFORMATION:
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             APPLICANT: WICKHAM, THOMAS J.
APPLICANT: KOVESDI, INNE
APPLICANT: KOVESDI, INNE
APPLICANT: KOVESDI, INNE
APPLICANT: KOVESDI, INNE
APPLICANT: KOVESDI, SAIT METHOD, FOR
FILE PREPERSOR: 217960
CUMPELLI ARTICLE HOMBER 100, 10, 24
CUMPELLI ARTICLE HOMBER 100, 10, 751
PRIOR APPLICANTION HOMBER 100, 10, 751
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 48.1%, 3001e 26, 28%, Best Local Similarity 71.4%, Fred. No. 1.3e+02; Matches 5; Conservative 1; Mismatches 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Hammond, Philip W.
APPLICANT: Alpin, Julia
APPLICANT: Wright, Martin C.
TITLE OF INVENTION PHYPOPHIA'S Informative with PCL XI
FILE REPERENCE: 50031/050003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          THEETT ACTITATION IT NEED TO (10/04,699 COPPRINT FILING DATE: 2002.06.21 SELF A FELLANTION IN NEED TO CE/274,363 PRIOR FILING DATE: 2001.03.07 NUMBER OF SEQ ID NOS: 109 SOFTWAFF FACUSES OF Windows Version 4.0
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CURPHINT FILLIS DATE 2001-03-07
PHIDE ARRESTATION NUMBER: US 50/274,526
PRIOR FILLIS DATE 2001-03-08
NUMBER OF SEQ ID NOS: 253
PRIOR FILING DATE: 1999-01-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Homo sapiens
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RESULT 6
US-09-776-724A-252
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/ Publication No. US20030050455A1
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PRIOR PRIOR PRICTON NUMBER IN GARAGOA, 946
PRIOR APPLICATION NUMBER IN GARAGOA, 946
PRIOR APPLICATION NUMBER US GA/761,124
PRIOR PRILING DATE: 1996-08-21
PRIOR PRILING DATE: 1996-08-21
PRIOR FILING DATE: 1996-11-28
PRIOR FILING DATE: 1998-11-28
PRIOR FILING DATE: 1998-11-28
PRIOR FILING DATE: 1998-11-28
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ERICR FILING DATE 1999-01-14
ERICR AFFLICATION HOWER FOLLY
ERICR AFFLICATION HOWERS 07-15
PRIOR FILING DATE 1998-07-16
PRIOR FILING DATE 1997-07-16
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APPLICANT: Rosen et al.
APPLICANT: Rosen et al.
TITLE OF INVENTYON (4 Hyman Serveted Froteins
FILE REFERENCE: PZO11
CUEPENT AFPLICATION NUMBER 15/17/776,724A
CUEPENT FILING DATE: 2001-07-08
PRIOR APPLICATION NUMBER: 60/180,909
TITCE ETILING DATE: 2000-02-08
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Best Local Similarity 60.0%;
Matches 6: Conservative
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                                                                                                                                                                                                                         PR FILING DATE: 1997-07-22
PAPPLICATION NUMBER: 60/053,441
PR APPLICATION NUMBER: 60/053,442
PR APPLICATION NUMBER: 60/056,359
PR APPLICATION NUMBER: 60/056,359
PR APPLICATION NUMBER: 60/056,359
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    # APPLICATION NUMBER - FOLKS
# FILING DATE: 1997-07-16
# APPLICATION NUMBER: 60/06
# APPLICATION NUMBER: 60/06
# APPLICATION NUMBER: 60/06
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APPLICATION NUMBER 60/055,725
FILING DATE: 1997-39-18
APPLICATION NUMBER 60/055,085
FILING DATE: 1997-39-18
APPLICATION NUMBER 60/055,052
FILING DATE: 1997-08-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NTWEEN COLOCO, 874
FILING CATE: 1940 OF 16
APPLICATION NIMBER COLOCO, 973
FILING DATE: 1997-07-16
APPLICATION NUMBER COLOCO, 973
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: 60/052,971
FILING DATE: 1997-07-16
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1996-08-21
----- ਪੁਲ ਨੁਕਟ੍ਰਾਹ,124
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Pred. No. 1.3e+02;
1; Mismatches 3;
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US 10-057-812-15

Sequence 15, Application US/10057812

Publication No. US20020197619A1

GENERAL INFORMATION:
APPLICANT. Nikiforov, Theo T.
TITLE OF INVENTION: Kinase Assaye Using Polycations
FILE REFERENCE: 100/07930

CHERENT APPLICATION NUMBER: US/16/057,912
                                                                                                                                                                                       g
                                                                                                                                       RESULT 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      , Sequence 1, Application US/09844813; Patent No. US20020042135A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-776 724A-252
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-844-813-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQ ID NO 252
                                                                                                                                                                                                                                                Best Local Similarity 83.1
Matches 5; Conservative
                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       JENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                               TYPE. PRT
UNGARISM: Simian virus 40
U9-844-813-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Mitch
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION NUMBER: 60/055,946
PRIOR FILING DATE: 1997-08-18
PPIOP APPLICATION NUMBER: 60/055,683
PRIOR FILING DATE: 1997-08-18
NUMBER OF SEQ ID NOS. 294
SOFTWARE: Patentin Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: 60/0
PRIOR FILING DATE: 1997-08-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ERICE APPLICATION NUMBER - 60/055,044
PRIOR PILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: 60/056,361
PRIOP PILING DATE: 1997-08-18
PRIOP APPLICATION NUMBER: 60/055,726
                                                                                                                                                                                     15 APKKPK 20
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                                                                                                                                                                                                                   1 ASKKPK 6
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                                                                                                                                                                                                                                               46.3%; Scott 25; DH 10;
83.3%; Pred. Mo. 2.3e+02;
Live 0; Mismatches 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        60/055,724
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L, Mismatches
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FILE REFERENCE: 140/F/233
THEFEND AREA: TATEN NOMERS 105/73/569,194A
THEFEND AREA: TATEN NOMERS 105 00/416,447
FRICK FILING DATE: 1000 05 21
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PRIOR APPLICATION MARKET 100 05 11
PRIOR MILLING HATEL 2000 05 11
PRIOR MILLING HATEL 2007 05 15
PRIOR FILLING HATEL 100 15 60/130,562
PRIOR FILLING DATE: 100 05 15
MINNER FORE) DESCRIPTION STREET 10 3.1
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Beder Janear Brusslands y Heart
Transport Art Sommers of two
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Sequence 12, Application US/10108795
For Librarian No., USLTITE (33.63A)
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Figure B. Taling20166 (Al
BEBRAL INFLMATION)
APPLITANT: Nikiforay, TheoT.
Title of INVENTION, Kindor Annays Using Polymations
Figure Presertents; 100/27030
BENEFAL IMPLEMENTALE.

AGRETICANT: Hormitists, Bilan A
AGRETICANT: Millearth, Ebomas A
TITLE OF INVENTIONS Californ Postulated Kinase
File Referency E. Fil.

"SEIN ARELICATION WYMER. ULCIT/198,795
TESING ARELICATION WYMER. ULCIT/198,795
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HOTEM ALLER
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             THER INFORMATION: Emosphorylatable substrate
                                                                                                                                                                                                                                                                                                                                                                                                                                                  y March 44.4%; Score 24; DB 10; Length 9;
Local Similarity 44.4%; Prof. No. 20+05;
Local 4; Laberty Fire 2; Michael Bec 9; Indels
                                                                                                                                                                                                                                                                                                                                                         1 KRIMIKBAKA )
                                                                                                                                                                                                                                                                                                                                                                                                        * KENERNIKA II
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      * KEPEPNIKA II
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             44.4%, Stole 24, SB 9, 44.4%, Bred. No. 20(0)
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FEATURE: Description of Antificial Esquencologithetic peptide OTHER INFORMATION: internal peptide US-10-108-795-12
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Sequence 47, Application US/18842202
Parent No US200201167333A1
GENERAL INFORMATION:
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$EQ ID NO 12
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PPIOR APPLICATION NUMBER: 08 9717089.8
PPIOR FILING DATE: 1997-08-12
PPIOR APPLICATION NUMBER: 3B 9717499.9
PRIOR ETLING DATE: 1998-08-19
NUMBER OF SEQ ID NOS: 34
                                                                                                                 TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 47:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Adrian Vivian Sinton HIII, M.-hael AIDOO,
Catherine Elizabeth Margaret ALLSOPP, Alit LALVANI, Magdalona
PLEBANSKI, Hilton Carter WHITTLE,
TITLE OF INVENTION: MALARIA PEPTIDES
NUMBER OF SEQUENCES: 52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Coal
                                                                                                                                                                                                                 NAME: Warren M Cheek, Jr.
REGISTRATION NUMBER: 33,367
REFERENCE/DOCKET NUMBER: 2002 0026
TELECOMMINICATION INFORMATION:
TELEPHONE: (202) 721 8200
TELEPAX: (202) 721 8250
                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: GB 9406492.0 FILING DATE: 31-MAR-1994 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER PRACABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: MS-DOS
SOPTMARE: WSGPEM: MS-DOS
SOPTMARE: WSGPEM GO: Windows 95
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
ADDRESSEE: WENDEROTH, LIND & FONACK, I
STREET: 2033 K Street, N.W., Suite 800.
TOPOLOGY: linear MOLECULE TYPE: peptide segunnon resonantifical c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          h 44.4%; Score 24; DB 9; Similarity 57.1%; Pred. Mo. 1 9e+02; 4; Conservative 1; Mismatches 7
                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 11-Jan-2002

R APPLICATION DATA:
APPLICATION NUMBER: 08/714,175
FILING DATE: 28-JAN-1997
APPLICATION NUMBER: WF FITTHPRE/25992
FILING DATE: 79-MAR-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STATE: D.C
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                                                                      OTRANDEDNESS: <Unknown>
                                                                                             TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US/10/042,202
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  SEQ III NO: 47:
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FAURIT NO. (STENDERS) 34A1

GENERAL INFORMATICH.

APPLICANT: Powers, Scott

APPLICANT: No. David

APPLICANT: Xiang, Phil

APPLICANT: Xiang, Phil

APPLICANT: Tolarik Inc.

TITLE OF INVENTION: Perlino Polypeptides and Polynucleotides

FILE REFERENCE. 018781-05081008

CURRENT APPLICATION NUMBER. US;10/041,030

FILE APPLICATION NUMBER. US;10/041,030

PRIOR APPLICATION HUMBER SECUED SECUED FILM CATE. 1001-01.02

NUMBER OF SECUED NOS: 42

SOFTMARE: Patentin Ver. 2.1
                                                                                                                                               ORGANISM: Artificial Sequence; FEATURE; FEATURE; OTHER INFORMATION: Sessiffton of Artificial Sequence: Anino acid; OTHER INFORMATION, sequence identity in comparison of pellino 1 and; OTHER INFORMATION, pellino; dentity in comparison of pellino 1 and US-10-041-030-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-041-030-17
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/ Publication Wo. US20030022171A1
/ GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           UG-09-821-861-11
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                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQ ID NO 17
              Best Local similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 17, Application US/10041030 Fatent No. US70020150934A1
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APPLICANT: Cap, Xinwei
TITLE OF INVENTION. METHODS OF IDENTIFYING AGENTS THAT
TITLE OF INVENTION. AFFECT CLEAVAGE OF AMYLOTIC- PREDI
FILE PEREPRISE AND ALCOHOL: 10/4035.0216;
CURRENT SELLING DATE: 2001-03-30
WIMPRES OF SEQ IS NOS: 16
CORRENT STELING SOLE: 16
CORRENT S
                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PKT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ENGTH: 14
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Local Similarity 55 ft; Prod. No. 2.5e+02;
hes 5; Conservative 1; Mismatches 3; Indels
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44.4%; Score 24; DB 12; Length 14, F5.7%; Fred. No. 2.5e+02;
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                                                                                                                                                                                                                                                                                      : NIMBER OF SFQ ID NOS: 79
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 15
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US-09-736-959A-28
; Sequence 28, Application US/09736959A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  115-09-736-959A-28
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CURRENT APPLICATION NUMBER: US/09/746,959A
CURRENT FILING DATE: 2000:12-14
PRIOR APPLICATION NUMBER: US 60/170,835
PRIOP FILING PATE: 1990:12-14
NUMBER OF SEC ID NOS: 32
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 28
                                                                                   Marches
                                                                                            Query Match

44.4%; Score 24, DB 9, 1

Best Local Similarity 57.1%; Frod: No. 3 56+02;
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                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION NUMBER: US 08/973,542
PRIOR FILLING DATE: 1998.02-06
PRIOR APPLICATION NUMBER FOR FRACTORAL
PRIOR FILLING DATE: 1996 06-12
PRIOR APPLICATION NUMBER: FP 95/07007
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: DAUBERSIES, PIEPPE
TITLE OF INVENTION MALAFIAL FRE-ERYTHROCYTIC STAGE POLYPEPTIDE MOLECTILES
FILE REFERENCE: 200773USODIV
CUPPENT APPLICATION NITWEEF US/20/742,636
CUPPENT FILING DATE: 2000-12-22
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                                                                                                                                                                                                                                                                                                                                                  PRIOR FILING DATE: 1995-06-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: DRUILHE, PIEPPE APPLICANT: DAUBERSIES, PI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Patent No. US20020076415A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: OU, Jing-Hsiung
APPLICANT: XU, Chenming
TITLE OF INVENTION: HEPATITIS C VIPUS GENE PRODUCTS
                                                                                                                                                                           FEATURE:
OTHEP INFORMATION: Synthetic Peptide
                                                                                                                                                                                                                ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                               TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT ORGANISM: Hepatitis C Virus (HCV-1 subtype)
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6 EEPKENI 12
                                     3 KKPKENI 9
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les 5; Conserv
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                                                                               4: Conservative
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                                                                            P: Mismatches
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Pred. No. 2.8e+02;
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                                                                                                                  Length 20;
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Therefore complete with Marsch Loss $\mathbb{Q}_{\mathbb{Q}}(13)$, 99:144:03 . The forms of Theorems